Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

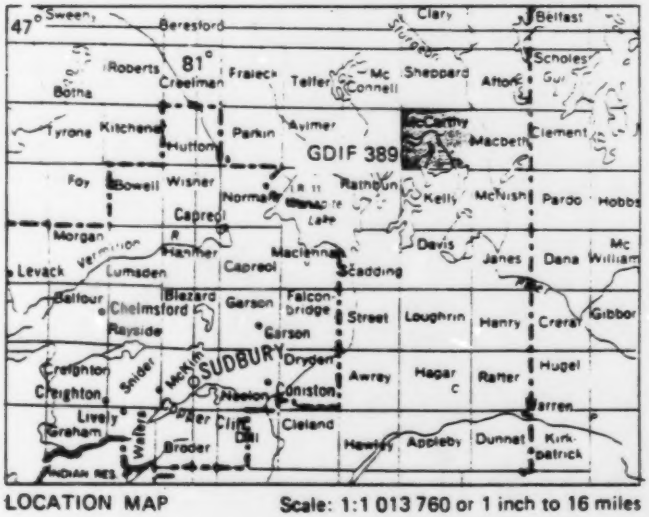
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 389

# McCARTHY TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury




LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/13

Mining Claim Map Number M. 1007

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1987: McCarthy Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 389, compiled by the staff of the Resident Geologist's Office, Sudbury, 16p., 2 maps.

Original Compilation by: Jerome, Lucille, April, 1987

| Date | Page Revised | Revised by |
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| | | |

| Date | Page Revised | Revised by |
|---|---|---|
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MCCARTHY TOWNSHIP

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## ACCOMPANYING MAPS

Property Location Map 1 Map

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Map Scale 1: 31 680 or 1 inch to ½ mile

# CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

| CONVERSION FROM SI TO IMPERIAL | | | CONVERSION FROM IMPERIAL TO SI | | |
|---|---|---|---|---|---|
| *SI Unit* | *Multiplied by* | *Gives* | *Imperial Unit* | *Multiplied by* | *Gives* |
| | | | **LENGTH** | | |
| 1 mm | 0.039 37 | inches | 1 inch | **25.4** | mm |
| 1 cm | 0.393 70 | inches | 1 inch | **2.54** | cm |
| 1 m | 3.280 84 | feet | 1 foot | **0.304 8** | m |
| 1 m | 0.049 709 7 | chains | 1 chain | 20.116 8 | m |
| 1 km | 0.621 371 | miles (statute) | 1 mile (statute) | **1.609 344** | km |
| | | | **AREA** | | |
| 1 $cm^2$ | 0.155 0 | square inches | 1 square inch | **6.451 6** | $cm^2$ |
| 1 $m^2$ | 10.763 9 | square feet | 1 square foot | **0.092 903 04** | $m^2$ |
| 1 $km^2$ | 0.386 10 | square miles | 1 square mile | 2.589 988 | $km^2$ |
| 1 ha | 2.471 054 | acres | 1 acre | 0.404 685 6 | ha |
| | | | **VOLUME** | | |
| 1 $cm^3$ | 0.06 . 02 | cubic inches | 1 cubic inch | **16.387 064** | $cm^3$ |
| 1 $m^3$ | 35.314 7 | cubic feet | 1 cubic foot | 0.028 316 85 | $m^3$ |
| 1 $m^3$ | 1.308 0 | cubic yards | 1 cubic yard | 0.764 555 | $m^3$ |
| | | | **CAPACITY** | | |
| 1 L | 1.759 755 | pints | 1 pint | 0.568 261 | L |
| 1 L | 0.879 877 | quarts | 1 quart | 1.136 522 | L |
| 1 L | 0.219 969 | gallons | 1 gallon | **4.546 090** | L |
| | | | **MASS** | | |
| 1 g | 0.035 273 96 | ounces (avdp) | 1 ounce (avdp) | 28.349 523 | g |
| 1 g | 0.032 150 75 | ounces (troy) | 1 ounce (troy) | 31.103 476 8 | g |
| 1 kg | 2.204 62 | pounds (avdp) | 1 pound (avdp) | **0.453 592 37** | kg |
| 1 kg | 0.001 102 3 | tons (short) | 1 ton (short) | 907.184 74 | kg |
| 1 t | 1.102 311 | tons (short) | 1 ton (short) | 0.907 184 74 | t |
| 1 kg | 0.000 984 21 | tons (long) | 1 ton (long) | 1016.046 908 8 | kg |
| 1 t | 0.984 206 5 | tons (long) | 1 ton (long) | 1.016 046 908 8 | t |
| | | | **CONCENTRATION** | | |
| 1 g/t | 0.029 166 6 | ounce (troy)/ ton (short) | 1 ounce (troy)/ ton (short) | 34.285 714 2 | g/t |
| 1 g/t | 0.583 333 33 | pennyweights/ ton (short) | 1 pennyweight/ ton (short) | 1.714 285 7 | g/t |

**OTHER USEFUL CONVERSION FACTORS**

| | | |
|---|---|---|
| 1 ounce (troy)/ton (short) | 20.0 | pennyweights/ton (short) |
| 1 pennyweight/ton (short) | 0.05 | ounce (troy)/ton (short) |

**One gram(g) per tonne is equivalent to one part per million (1 ppm).**

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

# DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

| | SOURCES OF DATA | Data | Initial |
|---|---|---|---|
| 1 | Resident Geologist's Office Files | Yes | L. J. |
| 2 | Assessment Files Research Office, Toronto | N. A. | L. J. |
| 3 | ODM General Index; 9 Volumes | Yes | L. J. |
| 4 | Catalogue of Airborne Geophysical Surveys (ODM) | No | L. J. |
| 5 | ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars | Yes | L. J. |
| 6 | ODM Industrial Mineral Reports | No | L. J. |
| 7 | Bibliography of Post Precambrian Theses - Karrow (ODM MP 1) | No | L. J. |
| 8 | Bibliography of Precambrian Theses - Ginn (ODM MP 2) | Yes | L. J. |
| 9 | Newspaper Clippings File | No | L. J. |
| 10 | GSC Index to Publications | Yes | L. J. |
| 11 | OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77 | Yes | L. J. |
| 12 | OGS Index Maps | Yes | L. J. |
| 13 | Source Mineral Deposit Records (O.G.S.) | Yes | L. J. |
| 14 | Author - Subject Articles File | Yes | L. J. |
| 15 | Miscellaneous Papers: ODM & OGS | Yes | L. J. |
| 16 | ODM Geological Circulars: OGS Study Series | No | L. J. |
| 17 | ODM Preliminary Reports: ODM Bulletins | No | L. J. |
| 18 | ODM – OGS Open File Reports | Yes | L. J. |
| 19 | OGS Northern Ontario Engineering Geology Terrain Studies | Yes | L. J. |
| 20 | OGS Aggregate Resources Inventory Papers | No | L. J. |
| 21 | OGS Mineral Potential Maps | Yes | L. J. |
| 22 | Theses on File, Sudbury | Yes | L. J. |
| 23 | Aerial Photographs on File, Sudbury | Yes | L. J. |
| | | | |

# METALS AND MINERALS REFERENCES LIST

| | | | |
|---|---|---|---|
| △ anh. . . . . .Anhydrite | △ fu. . . . . .Fuchsite | △ Ni. . . . . Nickel | △ st . . . . . .Stone |
| △ ank. . . . . .Ankerite | △ gn. . . . . Galena | △ Nb . . . . . .Niobium | △ talc . . . . . .Talc |
| △ anna . . . . . Annabergite | △ gt . . . . . Garnet | △ Pd . . . . . .Palladium | △ Te . . . . . .Tellurium |
| △ ap. . . . . .Apatite | △ goe . . . . . .Goethite | △ peat . . . . . .Peat | △ td . . . . . .Tetrahedrite |
| △ arg . . . . . Argentite | △ Au . . . . . Gold | △ pent . . . . . .Pentlandite | △ th. . . . . .Thorite |
| △ As . . . . . .Arsenic | △ gf . . . . . .Graphite | △ Pt. . . . . .Platinum | △ Th . . . . . .Thorium |
| △ asp . . . . . .Arsenopyrite | △ gl . . . . . Gravel | △ py . . . . . .Pyrite | △ thuc . . . . . Thucholite |
| △ asb . . . . . .Asbestos | △ gyp. . . . . .Gypsum | △ pyl . . . . . Pyrochlore | △ ti . . . . . Titanite |
| △ ba. . . . . .Barite | △ hem . . . . . Hematite | △ pyrl . . . . . .Pyrolusite | △ Ti. . . . . Titanium |
| △ be. . . . . Beryl | △ il . . . . . Ilmenite | ▲ po . . . . . .Pyrrhotite | △ tour . . . . . Tourmaline |
| △ Bi. . . . . Bismuth | △ Fe . . . . . .Iron | △ q . . . . . Quartz | △ trap . . . . . Trap rock |
| △ bn . . . . . .Bornite | △ IF. . . . . Iron Formation | △ qcv . . . . Quartz carbonate vein | △ W . . . . . Tungsten |
| △ bran . . . . . .Brannerite | △ jas . . . . . Jasper | △ ra . . . . . .Radioactive minerals | △ uran . . . . . Uraninite |
| △ bruc . . . . . .Brucite | △ kaol . . . . . .Kaolinite (kaolin) | △ RE . . . . . .Rare Earths | △ U . . . . . .Uranium |
| △ Cd . . . . . Cadmium | △ ky . . . . . Kyanite | △ sd . . . . . Sand | △ verm . . . . . .Vermiculite |
| △ calc. . . . . Calcite | △ Pb . . . . . Lead | △ sgl . . . . . Sand and gravel | △ Y . . . . . Yttrium |
| △ carb . . . . . .Carbonate | △ lim . . . . . Limonite | △ ss . . . . . .Sandstone | △ Zn . . . . . .Zinc |
| △ cel . . . . . .Celestite | △ Li. . . . . Lithium | △ scap . . . . . Scapolite | △ zr . . . . . Zircon |
| △ cc. . . . . .Chalcocite | △ mgst . . . . . .Magnesite | △ shee . . . . . .Scheelite | |
| ▲ cp. . . . . .Chalcopyrite | △ mag . . . . . Magnetite | △ serp . . . . . Serpentine | |
| △ ch. . . . . .Chert | △ mc . . . . . Malachite | △ sh . . . . . Shale | |
| △ clay . . . . . .Clay | △ Mn . . . . . Manganese | △ sid . . . . . Siderite | |
| △ Co . . . . . Cobalt | △ mb . . . . . Marble | △ si . . . . . Silica | |
| △ cob. . . . . Cobaltite | △ mar. . . . . Marcasite | △ Ag . . . . . .Silver | |
| △ cb. . . . . .Columbite | △ ma . . . . . .Marl | △ sl . . . . . Slate | |
| △ Cu . . . . . .Copper | △ mi . . . . . Mica | △ sm . . . . . .Smaltite | |
| △ cor . . . . . Corundum | △ ml . . . . . Millerite | △ sod. . . . . Sodalite | |
| △ dol . . . . . Dolomite | △ mo . . . . . Molybdenite | △ spec . . . . . Specularite | |
| △ ep. . . . . Epidote | △ Mo . . . . . .Molybdenum | △ sp. . . . . .Sphalerite | |
| △ ery . . . . . Erythrite | △ mon . . . . . Monazite | △ spd. . . . . .Spodumene | |
| △ fel . . . . . .Feldspar | △ ne. . . . . Nephelite (nepheline) | △ staur . . . . . Staurolite | |
| △ fl . . . . . .Fluorite (flurospar) | △ nc. . . . . .Niccolite | △ stib. . . . . Stibnite | |

**Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.**

MCCARTHY TOWNSHIP

## MINERAL OCCURRENCES

| Map Ref. Letter | Name(s) | Mineralization | Source Mineral Deposit Record | References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports | Additional References and/or Remarks |
|---|---|---|---|---|---|
| A | Sirola Prospect | po, cp | Cu 14 | MRC 12, p. 254 | O.G.S. Map 2361 |

GDR FORM NO. 1

MCCARTHY TOWNSHIP 4

| TYPE OF WORK | | Numbers below represent the year in which the work was done;e.g., 68 for 1968. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE | COMPANY/AUTHOR (file number) | GEOLOGICAL | GEOCHEMICAL | TRENCHING, STRIPPING | DRILLING | ASSAY DATA | UNDERGROUND WORK | PROSPECTUS, NOTES, CORRESPONDENCE | AIRBORNE MAGNETOMETER | AIRBORNE ELECTROMAGNETIC | AIRBORNE RADIOMETRIC | GROUND MAGNETOMETER | GROUND ELECTROMAGNETIC | GROUND RADIOMETRIC | INDUCED POLARIZATON | SELF POTENTIAL | RESISTIVITY | | | |
| 1 | Eden, E. and Hart, P. | 72 | | 72 | 72 | | | | | | | | | | | | | | | |
| 2 | Jerome, A. E. (Dwyer, T. Property) | | | | 56 | | | | | | | | | | | | | | | |
| 3 | Prospectors Airways Co. Ltd. (Sirola Option), Freeman, J. N. and Eden, E. | 56 | | | 56<br>57 | 56 | | | | | | 56 | | | | 57 | | | | |

GDII FORM 20-1

MCCARTHY TOWNSHIP

# DRILLHOLE SUMMARY

| Map Drilling Location Number | Company Name | Company Drillhole Number | Date Drilled | Bearing Azimuth Degrees | Initial Dip of Hole Degrees | Thickness of Overburden Feet | Total Length of Hole Feet | Mineralization Noted in Log | Assay Data Included for |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Eden, E. and Hart, P. | ? | 1972 | 180 | 60 | 0 | 193 | cp, po | |
| 2 | Jerome, A. E. (Dwyer, T. Property) | 1 | 1956 | | 90 | 4 | 1504 | hem, py, Cu | |
| 3 | Prospectors Airways Co. Ltd. | PDH 1 | 1956 | | 90 | 2 | 66 | cp, po | Cu, Ni |
| 3 | (Sirola Option) | PDH 2 | 1956 | | 90 | 2 | 99 | cp, po, mag | Cu, Ni |
| 3 | | PDH 3 | 1956 | | 90 | 1 | 102 | cp, po, mag | |
| 3 | | PDH 4 | 1956 | 270 | 50 | 1 | 82 | cp, po | |
| 3 | | PDH 5 | 1956 | | 90 | 2 | 67 | mag | |
| 3 | | PDH 6 | 1956 | 360 | 85 | 2 | 73 | cp, po, mag | |
| 3 | | PDH 7 | 1956 | | 90 | 2 | 50 | cp, po, mag | |
| 4 | | PDH 8 | 1957 | 068 | 30 | 0 | 33 | cp | |
| 4 | | PDH 9 | 1957 | 087 | 55 | 0 | 6 | | |
| 4 | | PDH 10 | 1957 | 087 | 45 | 0 | 28 | cp, py | |
| 4 | | PDH 11 | 1957 | 087 | 60 | 5 | 31 | cp, py | |
| 4 | | PDH 12 | 1957 | 034 | 40 | 0 | 26 | cp, py, mc | |
| 4 | | PDH 13 | 1957 | 035 | 40 | 7 | 37 | cp | |
| 5 | | PDH 14 | 1957 | | 90 | 0 | 26 | cp, po, py | |
| 5 | | PDH 15 | 1957 | | 90 | 0 | 32 | cp, po | |
| 3 | | PDH 16 | 1957 | 250 | 50 | 0 | 38 | | |
| 6 | | PDH 17 | 1957 | 095 | 48 | 0 | 29 | cp, py | |



GDIF FORM NO. 1

6 MCCARTHY TOWNSHIP

| AIRBORNE GEOPHYSICAL SURVEY DATA | | | Flight Altitude | Flight Line Direction | Flight Line Spacing |
|---|---|---|---|---|---|
| No. | By<br>For | Type of Survey | | | |
| | | | | | |

MCCARTHY TOWNSHIP

| Map Sample Site Reference Number | GEOCHEMICAL SURVEY DATA | | By | Reference |
|---|---|---|---|---|
| | Type of Survey | Analysis For | | |
| | | | | |

# MISCELLANEOUS DATA

## AGE DATING

| Site | Method | Material | Reference | Result |
|---|---|---|---|---|
| | | | | |

# NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

# ODM GENERAL INDEX SEARCH

Words searched:

| | | |
|---|---|---|
| COLIN SCOTT LAKE | KETTYLE LAKE | SIROLA PROSPECT |
| DONALD LAKE | LOWER MATAGAMASI LAKE | |
| DWYER, T. | MCCARTHY BAY | |
| EDEN, E. | MCCARTHY TOWNSHIP | |
| FREEMAN, J. | MASKINONGE LAKE | |
| HART, P. | PROSPECTORS AIRWAYS CO. LTD. | |
| JEROME, A. E. | RICE LAKE | |

| Index Volume | Listing: | Report Volume | Part | Page |
|---|---|---|---|---|
| 1 | McCarthy Tp., Sud.<br>Gold prospecting north of | N.O. | | 88 |
| 8 | McCarthy Tp., Sudbury Dist.<br>Copper/nickel | MRC12 | | 254 |
| 8 | Sirola Prospect<br>McCarthy Tp., Sudbury Dist.<br>mining property, report on | MRC12 | | 254 |



GDIF FORM NO. 8

# ODM GENERAL INDEX SEARCH

Words searched:

| Index Volume | Listing | Report Volume | Part | Page |
|---|---|---|---|---|
| | | | | |

MCCARTHY TOWNSHIP

GDIF FORM NO. 8

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| | | REGIONAL GEOLOGICAL COMPILATION MAPS | | |
| Card, K. D., Lumbers, S. B | 1974-75 | Sudbury-Cobalt | O.G.S. Map 2361 | 1" = 4 miles |
| Lumbers, S. B. | 1973 | River Valley Area | O.D.M. Map P.844 | 1" = 1 mile |
| Meyn, H. D. | 1966 | Capreol Sheet | O.G.S. Map P.367 | 1" = 2 miles |
| | | GEOPHYSICAL MAPS | | |
| Dept. of E.M.R. | 1965 | Aeromagnetic Map - Lake Temagami Sheet | 1502G | 1" = 1 mile |
| | | Aeromagnetic Map - Milnet Sheet | 1512G | 1" = 1 mile |
| G.H.D. Consultants | ? | Aeromagnetic Map - Sudbury Research Project | Map 4 | 1" = ½ mile |
| Gupta, V. K. | 1981 | Bouguer Gravity and Generalized Map, Sudbury-Onaping Lake | O.G.S. Map P.2482 | 1:100,000 |
| Gupta, V. K., Wadge, D. R | 1980 | Bouguer Gravity and Generalized Map, North Bay - Martin River Area | O.G.S. Map P.2297 | 1:100,000 |
| O.D.M. - G.S.C. | 1965 | Aeromagnetic Map - Sudbury Sheet | 7067G | 1" = 4 miles |
| O.G.S. - G.S.C. | 1976 | Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury | Map P.1610 | 1:250,000 |
| | | SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING | | |
| Dept. of E.M.R. | 1975 | Topographic Map - Lake Temagami | | 1:50,000 |
| | | Topographic Map - Milnet Sheet | | 1:50,000 |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Gartner, J. F. | 1980 | N.O.E.G.T.S. Data Base Map - Capreol<br>N.O.E.G.T. Study 95 Capreol | Map 5001 | 1:100,000 |
| | | MINERAL POTENTIAL MAPS | | |
| Innes, D. G. and Jost, M. | 1977 | Nickel Deposits of Ontario - East Central Sheet | P.1062 | 1" = 16 miles |
| Springer, J. | 1977 | Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet | P. 1512 | 1:250,000 |
| | | GEOCHEMICAL MAPS | | |
| | | None as of April 24, 1987 | | |
| | | GEOLOGICAL REPORTS AND MAPS | | |
| Adlington, R. | 1981 | McCarthy Township, Sudbury Data Series | O.G.S. Map P.2192 | 1" = ½ mile |
| Card, K. D., Innes, D. G. and Debicki, R. L. | 1977 | Stratigraphy, Sedimentology and Petrology of the Huronian Supergroup in the Sudbury-Espanola Area | O.G.S. Study 16 | |
| Dressler, B. O. | 1982 | Geology of the Wanapitei Lake Area<br>Otter Lake Map | GR 213<br>Map 2450 | 1" = ½ mile |
| Edgar, A. D. | 1986 | Grant 100. Petrology, Geochemistry and Economic Potential of the Nipissing Gabbro | OFR 5573 | |
| Fralick, P. W. and Miall, A. D. | 1982 | Grant 84. Sedimentology of Huronian Deposits, Including Uranium Bearing Rocks | OFR 5375 | |
| Murray, A. | 1856 | On the Geology and Topography of the Sturgeon, Maskinonge, French and Wanapitei Rivers and Whitefish River and its Lakes | G.S.C. Rept. of Progress | |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Roscoe, S. M. | 1969 | Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield | G.S.C. Paper 68-40 | |
| Shklanka, R., Editor | 1969 | Copper, Nickel, Lead and Zinc Deposits of Ontario | MRC 12 | p. 254 |
| Young, G. A. | 1904 | On Surveys Between Rabbit and Temagami Lakes | G.S.C. AR | pp. 195-198 |
| | | JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS | | |
| Brocoum, S. J. and Dalziel I. W. | 1974 | The Sudbury Basin, the Southern Province, the Grenville Front and the Penokean Orogeny | Geol. Soc. Amer. Bull. 85(4) | pp. 1571-1580 |
| Lindsey, D. A. | 1969 | Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario | Geol. Soc. Amer. Bull. 80 | pp. 1685-1702 |
| Morris, W. A. | 1981 | A Positive Fold Test from Nipissing Diabase | National Research Council of Canada | pp. 591-598 |
| Mossman, D. J. | 1983 | Origin and Distribution of Gold in the Huronian Supergroup, Canada - The Case for Witwatersrand-Type Paleoplacers | Precambrian Research, Vol. 20, # 2-4 | pp. 543-583 |
| Mossman, D. J. and Harron, G. A. | 1984 | Witwatersrand-Type Paleoplacers Gold in the Huronian Supergroup of Ontario, Canada | Vol. 11, # 1 | |
| Rowell, W. F. | 1984 | Platinum Group Elements and Gold in the Wanapitei Nipissing-Type Intrusion, Northeastern Ontario | Sudbury Theses File | |
| Thachuk, N. M. | 1960 | The Origin of the Gowganda Banded Argillite; B.A.Sc., University of Toronto | MP2 | |
| Turner, J. D. | 1933 | Heavy Accessory Minerals (Precambrian Diabase); M.Sc., Queen's University | MP2 | |

## SELECTED REFERENCES

| Author | Date | Title | Reference | Map Scales and/or Report Pages |
|---|---|---|---|---|
| Young, G. M. | 1981 | The Early Proterozoic Gowganda Formation, Ontario, Canada | Earth's Pre-Pleistocene Glacial Record, Cambridge University Press | pp. 807-812 |

# NOTES AND ADDENDA

AERIAL PHOTOGRAPHS INDEX

Scale 1" = ¼ mile

Sudbury Files

| Year | Roll | Line | Numbers |
|---|---|---|---|
| 1970 | 24 | 4633 | 256 |
| 1946 | 37 | 142 | 31-34, 8-12 |

GDIF FORM NO.10

SHEPPARD

MACKELCAN

MACBETH

OWEN L.

Big Valley L.

Big Valley Cr.

McCarthy Bay

Chiniguchi R.

Chiniguchi

Kari L.

Edna L.

Gold L.

Colin Scott L.

Lower Matagamasi Lake

Adobe L.

Kearns L.

Harvey L.

Rice L.

Stanley L.

Kettle

46°52'30"

80°26'00"

33'00"

1

2

3

Ministry of Northern Develo and Mines

Ontario

ONTARIO GEOLOGICAL SUR

PROPERTY LOCATION M

GEOLOGICAL DATA INVENTORY

(Map 1 of 2)

# McCARTHY TOW

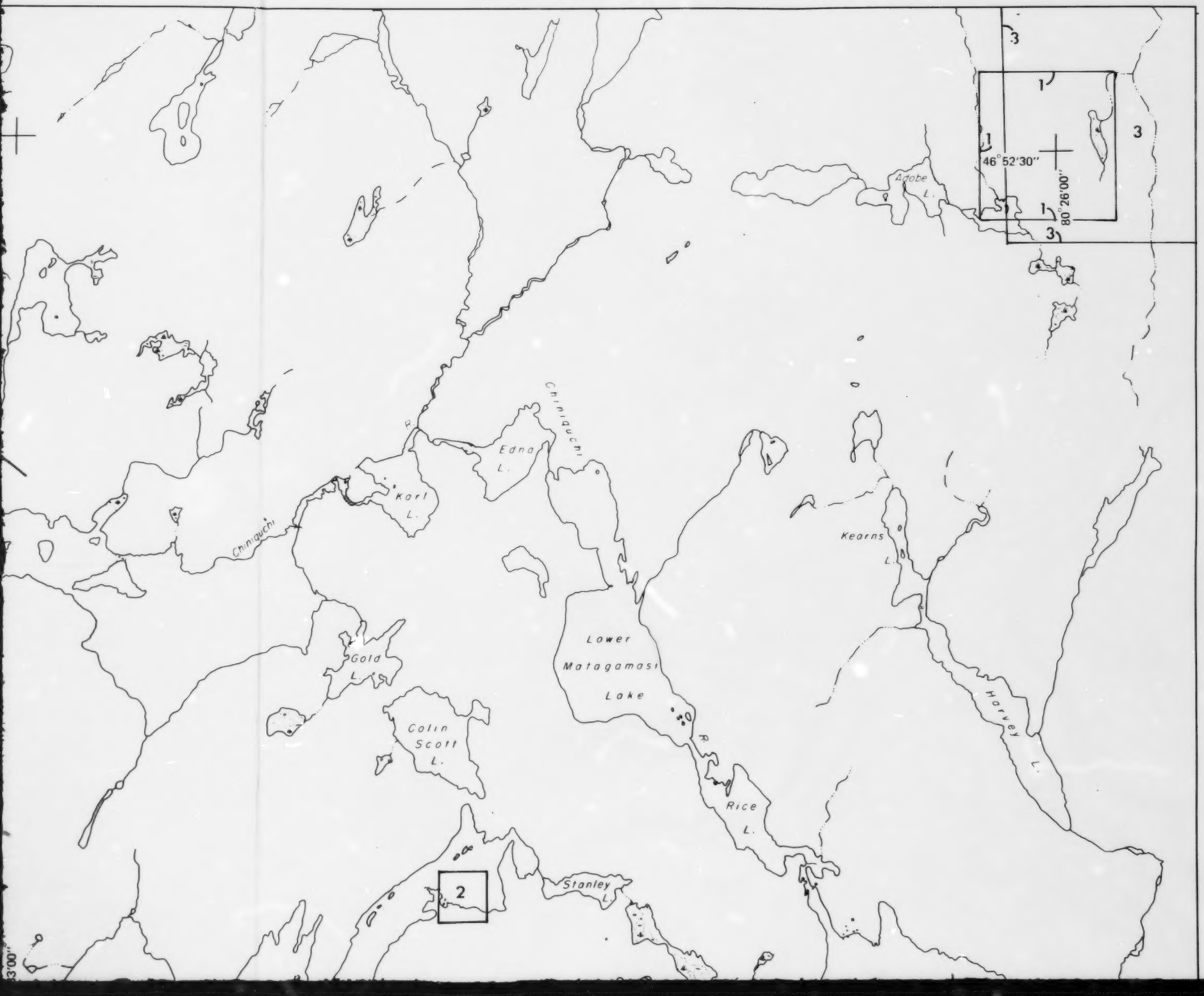
DISTRICT OF SUDBUR

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

SHEPPARD




MACBETH

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

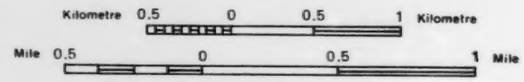
GEOLOGICAL DATA INVENTORY FOLIO 389

(Map 1 of 2)

# McCARTHY TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680



ONTARIO GEOLOGICAL SUR

PROPERTY LOCATION M

GEOLOGICAL DATA INVENTORY

(Map 1 of 2)

# McCARTHY TOW

DISTRICT OF SUDBUR

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

MACKELCAN

MACBETH

KELLY

46°52'30"

80°26'00"

80°33'00"

48°30'00"

Big Valley L.

Big Valley Cr.

McCarthy Bay

Chiniguchi R.

Kari L.

Edna L.

Chiniguchi L.

Gold L.

Colin Scott L.

Lower Matagamasi Lake

Kearns L.

Rice L.

Harvey L.

Stanley L.

Kettyle L.

Donald Lake

Maskinonge Lake

Azote L.

1

2

3

EXPLORATION DATA FILE

■ 1 6 Reference number is always inside
See listing in text pages.

□ x 4 Small area exploration.

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 389

(Map 1 of 2)

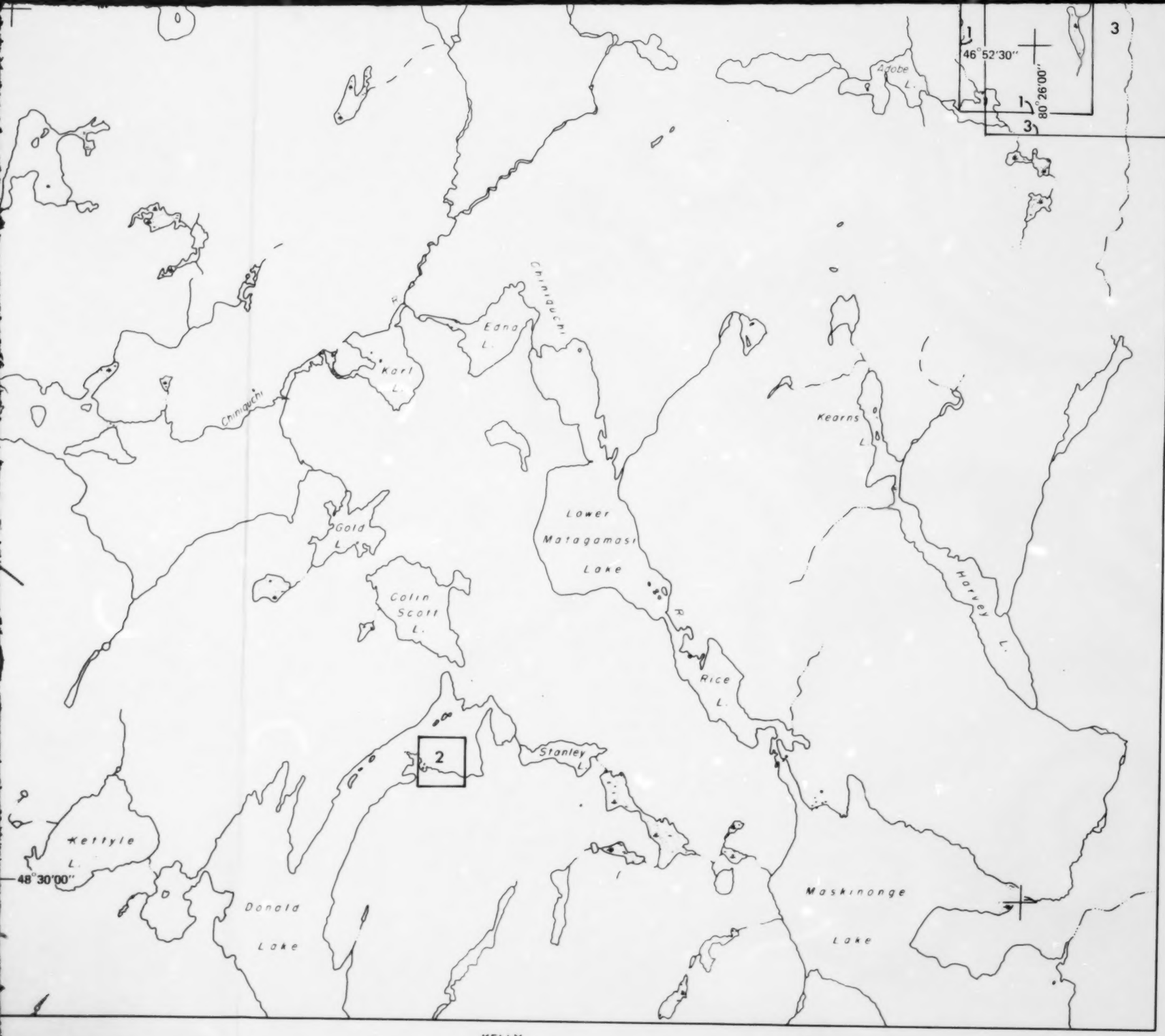
# McCARTHY TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile




## EXPLORATION DATA FILE AREAS

■ ① ⑤ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

## GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

## GEOPHYSICAL ANOMALIES

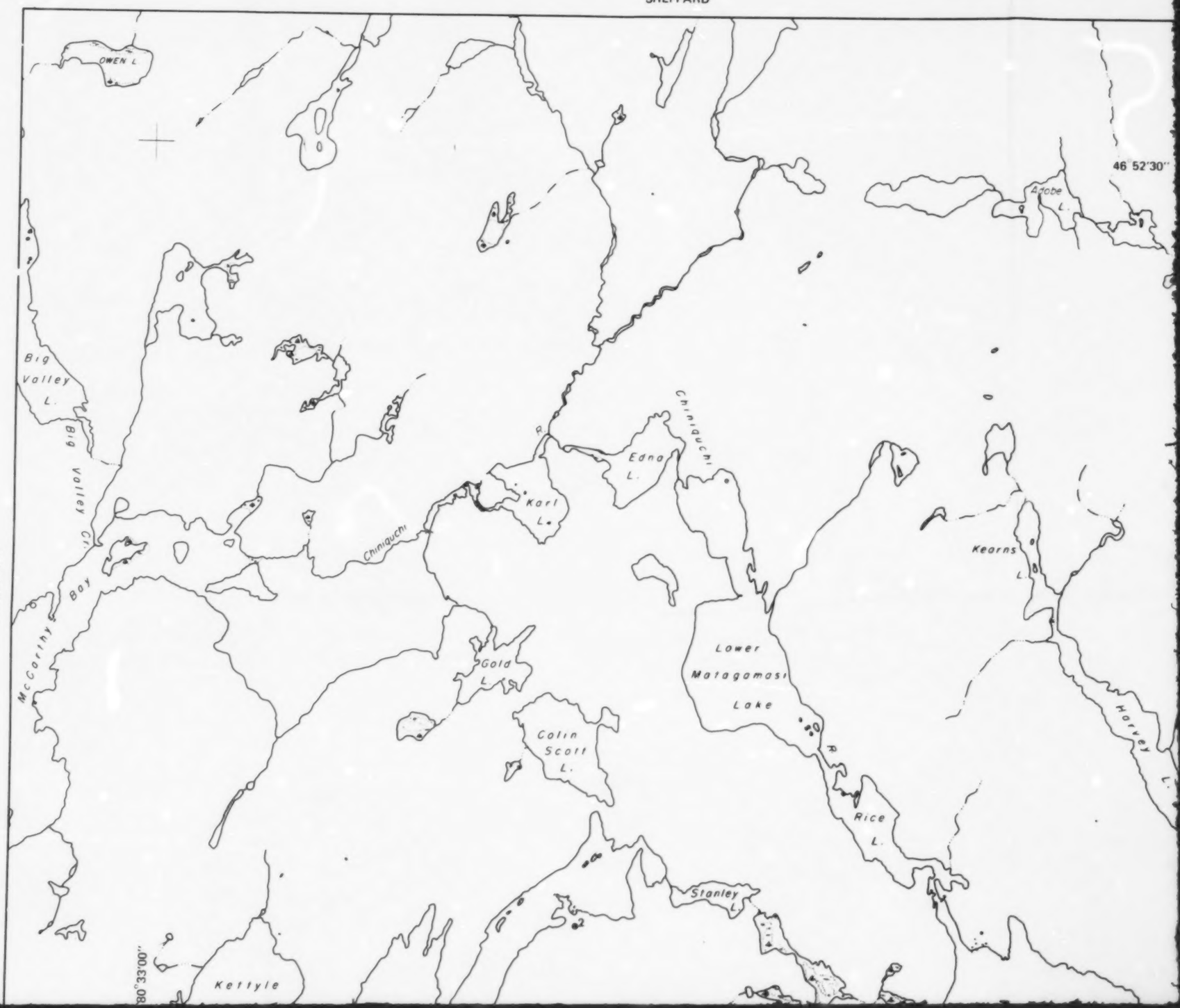
- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  ( VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16 )
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

## MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

SHEPPARD

MACKELCAN



SHEPPARD

MACBETH

Ontario

Ministry of Northern Development and Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 389

(Map 2 of 2)

# McCARTHY TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter

### DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- □ (?)² — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with

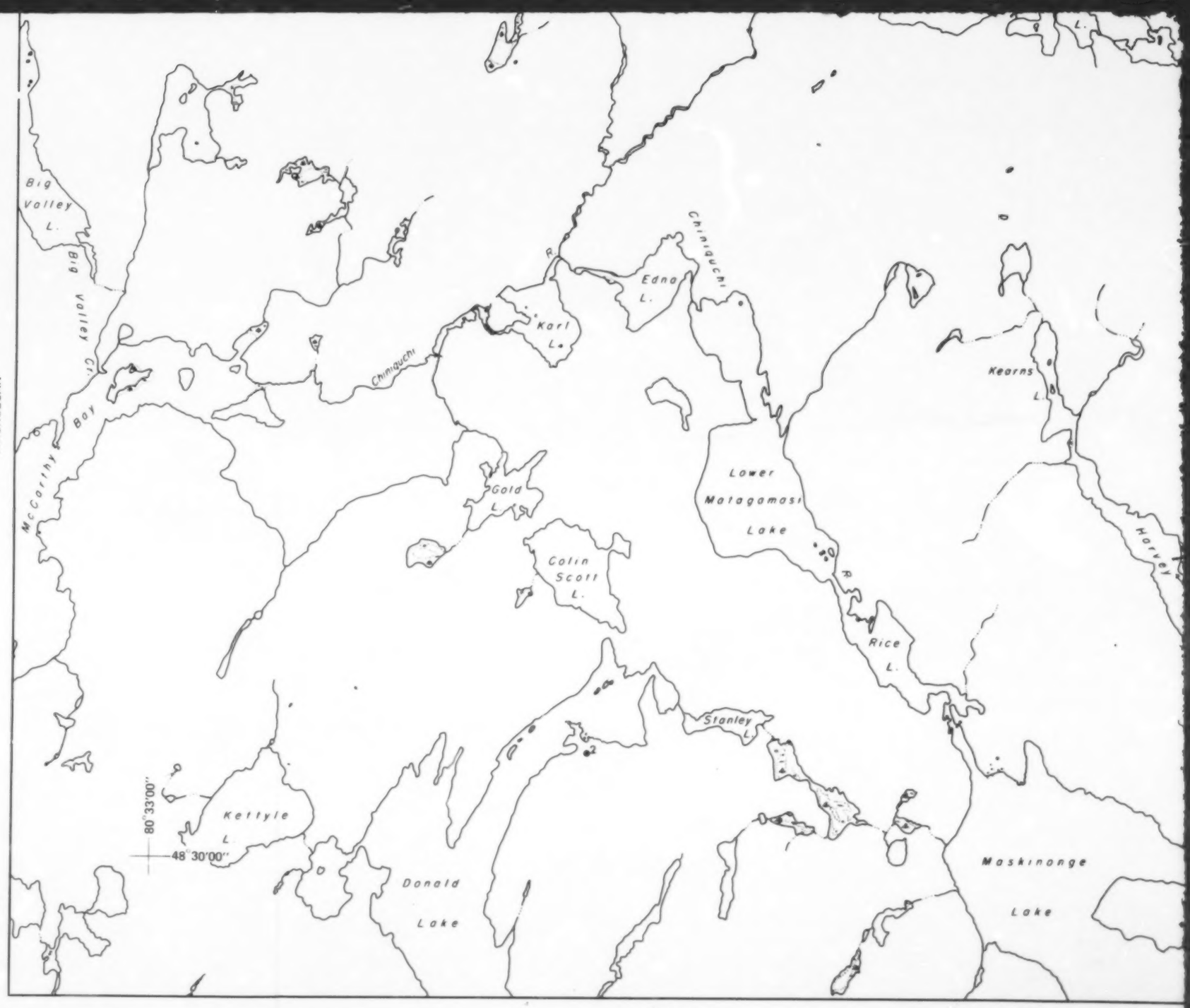
## GEOPHYSICAL ANOMALIES

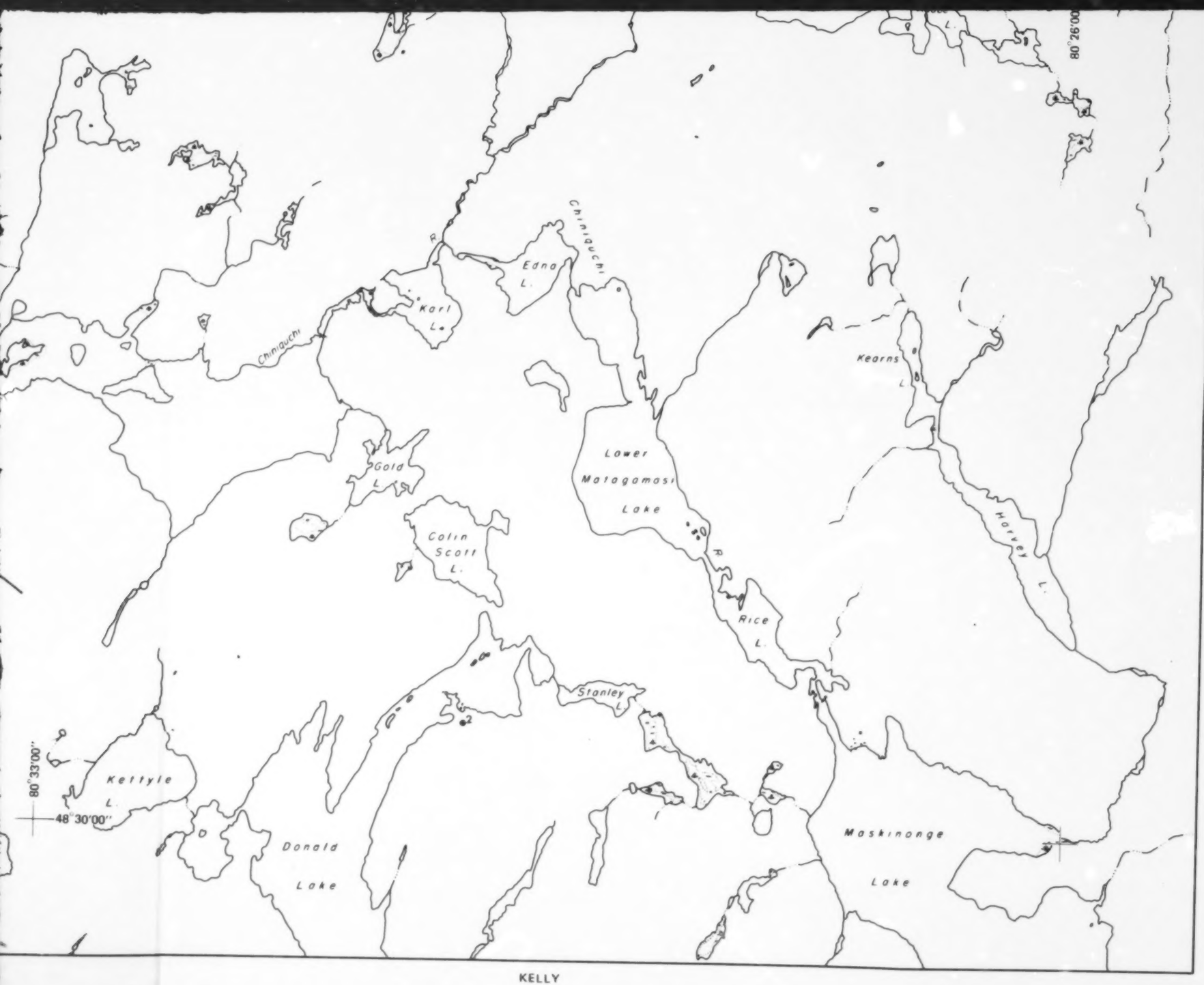
- ☐ -AM- Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ -ARA- Airborne radiometric anomaly
- ■ -M- Ground magnetic anomaly
- ☐ VL Ground electromagnetic anomaly ( VL - Vertical loop; HL - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16 )
- ☐ -RA- Ground radiometric anomaly
- ☐ -IP- Induced polarization anomaly
- ■ -SP- Self potential anomaly
- ☐ -AFMAG- Audio-frequency magnetic anomaly (total intensity)
- ☐ -R- Resistivity anomaly
- ☐ -GR- Gravity anomaly

## MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.






GEOLOGICAL DATA INVENTORY FOLIO 389

(Map 2 of 2)

# McCARTHY TOWNSHIP

## DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

## GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

### MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

### DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- ?2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling, with reference number